

## Ed Pluhar, Materials And Services Head, Is Only Local Old-Timer For Entire Year

March 1 will fall on Sunday this year of 1964 . . . therefore there will be no brass bands on First Street, no cheering crowds, no speeches, no anything . . . it is just another Sunday. But it is a red-letter day in every sense of the word, for Edward A. Pluhar, Materials and Services Superintendent, on that day he becomes an Old Timer.

It was March 1, 1939 that the then young Pluhar deserted the ranks of professional baseball and approximately three years with the Calco Chemical Corporation, Bound Brook, New Jersey, to join the troops at Union Carbide Corporation, Plastics Division (then known as Bakelite).

Pluhar was born in Bound Brook, the son of Catherine Velcheck and Alexander Pluhar, emigrants from Czechoslovakia. (His mother is now deceased.)

### To Oak Ridge In '44

March 1 became another milestone in Pluhar's life in 1944. He officially (on paper) transferred to the Oak Ridge Gaseous Diffusion Plant (actually he came here in January of that year). He first did payroll work at ORGDP, and served in other capacities there, before transferring to Y-12 on October 1, 1953. He became superintendent of the Materials and Services Division February 1, 1963.

Shortly before joining Bakelite in 1939 he married (on June 11, 1938) Annemarie Schuck . . . so Annemarie claims slightly more company service than Union Carbide does!

### Daughter To Be Married

The Pluhars live at 7416 Sheffield Drive, Knoxville. They have two children Penny, at home (to be married early next month in Knoxville), and Kenneth, who now resides in Wood River, Illinois. Penny has four children, bringing that total to the Pluhars for grandchildren.

Ed Pluhar can justly claim coming to Oak Ridge in the early days in the most unique transportation yet devised by transients . . . a charcoal-burning 1937 Chevie station wagon. The wagon was designed with a boiler which fed carbon monoxide directly into the cylinders. It was built by Dr. Victor Molinari, who was with Bakelite at the time. (There is only one hitch to it . . . during gasoline rationing days everyone thought Pluhar had transportation . . . until charcoal also became hard to find!)

Growing up in Bound Brook, Pluhar attended school there, and also the Drake Business College, Brunswick, New Jersey.

While at Bakelite, he managed a baseball team that up-set its way into the hall of fame in 1943.

Continued on Page 4



Edward A. Pluhar

## Famed Quartet Is ORCMA's Concert

The world-famed Loewenguth Quartet of Paris will present a concert Saturday, February 29, 8:15 p.m., in the Oak Ridge Playhouse.

Hailed as "The Four Greats" and recognized by critics throughout the world as one of the most impressive chamber music ensembles today, the group will present strings playing Haydn, Roussel, and Beethoven.

The members of the quartet are Alfred Loewenguth, first violin, who founded the group in 1929; Jacques Gotkowsky, second violin; Roger Roche, viola; and Roger Loewenguth, cello. Each member of the group is recognized as a master instrumentalist in his own right, and the group as a whole is acclaimed for its rare ability to perform with unity and ardor.

Tickets to the concert, which is under the auspices of the Oak Ridge Civic Music Association, will be available at the box office of the Playhouse Saturday night prior to the concert.

## Carnegie Tech Baranger Leads Physics Seminar

Michel Baranger, Carnegie Institute of Technology, will conduct this week's Physics Division Seminar. His subject will be "Nuclear Deformations in the Pairing Plus Quadrupole Model."

The seminar is set for Friday, February 28, at 3:15 p.m. in the East Auditorium of Oak Ridge National Laboratory's 4500 building.

## Egypt All That's Left Of Arab Group

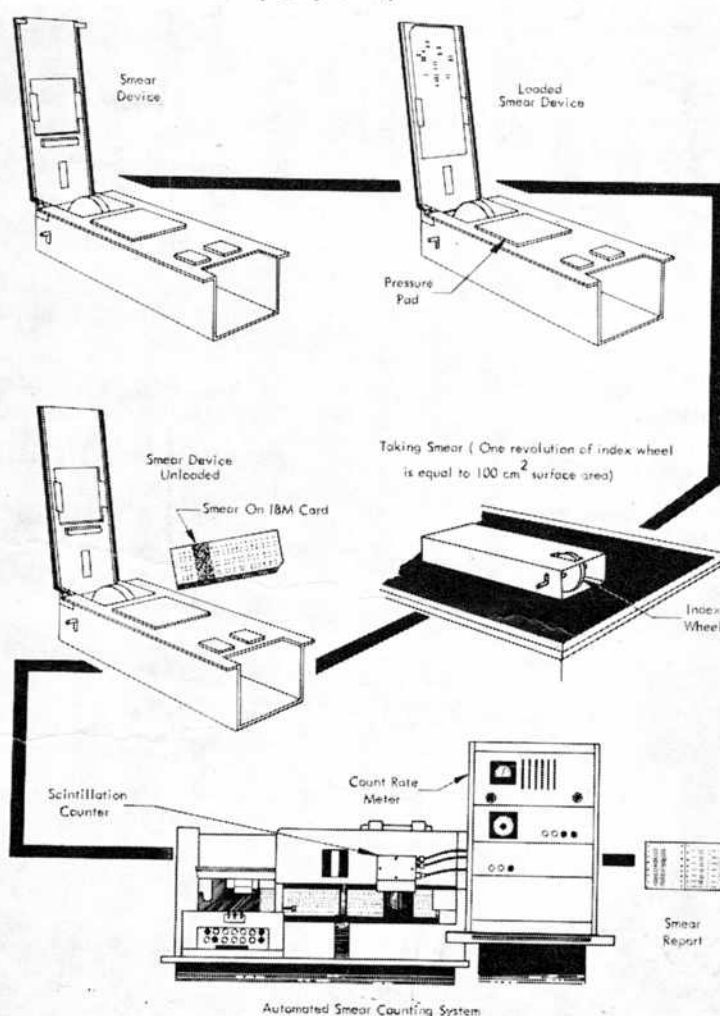
The United Arab Republic consists now only of Egypt. Yemen and Syria, who once joined Egypt in the combination, have both withdrawn from the union.

## More Patent Applications For Y-12



RECEIVING THEIR CUSTOMARY \$1 awards with letters granting them patent applications are (seated from left) W. A. Pfeiler, Laboratory Development; John S. Hurst, Mechanical Development; and Merwyn Sanders, Radiation Safety. The three-man development was entitled "Automated Smear Program for Radioactive Material." Standing are L. E. Burkhart, E. W. Bailey and Jack McLendon, heads of the respective departments.

## Patent Application Awarded To Y-12 Trio For Automated Smear Card Program



The latest United States patent application coming from Y-12 is a three-way effort, developed by Merwyn Sanders, Radiation Safety; William A. Pfeiler, Laboratory Development; and John S. Hurst, Mechanical Development. The joint effort is entitled: "Automated Smear Program for Radioactive Material."

The development is described as an automated system devised for the taking of smear samples in uranium processing areas. The program consists of (1) taking the smears on standard IBM cards by a specially designed device which standardizes methods of obtaining a sample, (2) counting and recording results from the cards automatically, and (3) automatic tabulation of results for expeditious reporting.

### Three Phase Project

The project was divided into three phases. These phases were (1) constructing a device for taking the smears which would obtain a uniform smear sample to minimize human error, (2) building a device which would automatically count the smears to determine the levels of radioactivity collected, and (3) devising a way to tabulate the data generated from the program to make results available to area supervision as soon as possible. The responsibility for these phases was assigned to the Mechanical Development, Engineering Physics, and Radiation Safety Departments.

The new concept required a complete renovation of the existing program.

Continued on Page 4

## SAFETY SCOREBOARD

The Y-12 Plant Has

Operated

21 Days Or

640,000 Man-Hours

(Unofficial Estimate)

Without A Disabling

Injury

Through February 23

Phone 7755

For Daily Report

On Accident-Free Hours

THE VARIOUS STAGES OF AUTOMATIC SMEAR COUNTING are seen in the above sketches. The development cuts counting by a third, and eliminates much of the human error involved in contamination counting.



# Goebel Hoskins, Blanche Gibbs, E. L. Boorn, George Stines And Susie Robinson Retire Friday

Five retirees, four of them early, are added to Y-12's list of veterans this week. Goebel Hoskins, Guard Department, is February's only regular retiree. The others: Blanche H. Gibbs, Medical; Ernest L. Boorn, Research Services; George F. Stines, General Metal Fabrication Shop; and Susie B. Robinson, Janitors' Department, are all early retirees.

## Goebel Hoskins

Returning to his native Miracle, Kentucky is Goebel Hoskins, veteran guard in Y-12. The retiree came to Y-12 on August 25, 1946.

He has resided in Canton Hall, Oak Ridge, for several years, and on week-ends, breaks and holidays, he spends these with his family at Route 1, Miracle.

Hoskins is married to the former Lecta W. Wilder. They have five daughters, Frances L. Holcomb, Jean J. Hoskins, both in Miracle; Freda M. Hall, and Tevis J. Cowan, both of Cumberland, Kentucky; and Phyllis Hoskins, at home.

The retiree has been a guard at Y-12 formerly . . . and has farmed most of his life at his family home.

## Blanche H. Gibbs

Medical Technician Blanche E. Gibbs came to Y-12 April 12, 1948. She took her training at Western North Carolina Teachers' College, Knoxville Business College, Knoxville General Hospital, and the Jacksonville Junior College. She worked in various hospitals before coming to Y-12, in Knoxville and Florida. Miss Gibbs also taught school in her native Whittier, North Carolina.

She worked with Roane-Anderson in the very early days of Oak Ridge.

The retiring technician lives at 430 Delaware Avenue, Oak Ridge.

## Ernest L. Boorn

A native of New York City, Ernest L. Boorn, is another early retiree for February in Y-12. He came to Y-12 on August 9, 1948, after employment in New York and parts of New Jersey. He took up the trade of glassblowing in the early 40's and has pursued that occupation since.

The retiring Boorn, married to the former Meta Morris, has a son and a daughter, Mrs. Lillian McManus Smith, Nutley, New York; and William E. Boorn, San Dimas, California. He worked in Research Services.

## George F. Stines

The General Metal Fabrication Shop bids farewell to George F. Stines, a native of Marshall, North Carolina, who came to Y-12 January 5, 1948. He had done construction work for Marshall Sand Company, Marshall, North Carolina; worked as an inspector with the United States Rubber Company, Detroit; and was self-employed as a carpenter in Asheville and Candler, North Carolina. He did sheet-metal work previously in Y-12, from 1944-1946.



Goebel Hoskins



Blanche H. Gibbs



Ernest L. Boorn



George F. Stines

The retiring Stines lives at 112 Hillside Road, Oak Ridge. Mrs. Stines is the former Lillie M. Grooms.

## Susie B. Robinson

The Janitors' Department sees early retiree Susie B. Robinson leave also this month. She came to Y-12 in the early days, on January 19, 1945.

A native of Athens, Georgia, she makes her home with her son at 2132 Alvin Street, Knoxville. She also has a sister living in Knoxville.

She worked with Stone and Webster, Oak Ridge, prior to coming to Y-12.

Her husband Will Robinson is deceased.

The retiree has no definite plans other than just to take it easy. Her department honored her last week by giving her an easy chair.

All five retirees take with them the very best wishes from fellow employees for a long and prosperous retired life.

## Art Center Features Hungarian Artist Work

The Oak Ridge Art Center is currently showing the works of Hungarian artist Joseph Domjan. His colorful work has been exhibited in more than 100 museums throughout the world. His collection of wood-cuts will open Sunday, March 1, and will highlight the new building for the Art Center at 3 p.m. The new center is located on Badger Avenue, near the Downtown shopping center.

Domjan's works will also be exhibited the following two Sundays from 3 until 6 p.m., March 8 and 15.



Susie B. Robinson

## 'THE FISH I CAUGHT'

"Once upon a time my father and I went fishing. We had our fishing poles ready to fish. We waited till we got a bite. My daddy caught a little fish. It was too small so he threw it back and in a few minutes I caught a fish. I thought I was hung, but I wasn't hung because I could still reel it. I could tell it was a big one because it was putting up a good fight. It took me six hours to reel him in. When I got it in, I found that it weighed 35 pounds. It was so big we could hardly put it on a stringer. We took it to our friend and he mounted it for us. It was so big, we had to build a new house where we could put it on the wall."

By Dave Moore

(Editor's Note: The above was written by the son of Emmett Moore, Fire and Guard Department. Looks like Mr. Dillon is a real 'chip off the old block!')



Mothers concerned over their child's swooning over the Beatles were they themselves swooning over Sinatra about 20 years ago. Their mothers worried about them, even though 20 years before they had swooned over Rudolph Valentino.

Methinks, says the old sage in the corner, that the reason everybody gets upset is that they don't swoon anymore! . . . over anybody!!

In Y-12, it's told in

## INDUSTRIAL RELATIONS

The Fire and Guard Department has A. J. Jeffers and H. L. Montooth vacationing this week. Condolences to Chief W. O. Elam in the recent death of his sister.

Benefit Plans bids a fond adieu to Betty Crass.

Never change horses in mid-stream, but if a boat comes along, you'd better grab it!

## MAINTENANCE

Recently appointed a member of Tennessee Travel and Tourist Promotion Council was Research Services' Evan Means. (More details later.) . . . Means was also in the news last week as he was on an airplane that rescued a Navy plane over the Kentucky mountains and guided it to the airport in Lexington.

Electrical is sending get well wishes to B. M. Cox, confined to Oak Ridge Hospital.



Lisa Gayle King

Little Miss Lisa Gayle King was only one day old when the sleepy picture above was made. She arrived on January 19, in Memphis, the daughter of Mr. and Mrs. J. R. King. Mrs. King is the former Jane Peters, daughter of S. A. Peters, Assembly Operations, and is a graduate of Ft. Sanders Nursing School. The baby's father is in medical school at Memphis. Lisa is the first granddaughter for the Peters household, to go along with grandson Steven Anthony King, age three.

That's about it.



Ride wanted or will join car pool from Lenoir City to Central Portal, straight day. Joyce Williamson, plant phone 7-8394, home phone Lenoir City 986-2806.

Two car pool members wanted from South Knoxville area, vicinity of Pine Homes, Sevierville Pike section, to any portal, straight day. W. H. Sherrod, plant phone 7627, home phone Knoxville 577-0295.

Ride wanted or will join car pool from 118 Amherst Lane, East Village, Oak Ridge, to North Portal, straight day. E. H. Mowery, plant phone 7-8268, home phone Oak Ridge 483-9307.

## Shift Combination Plans Party Saturday Night

Recreation planners on the E, F, G, H, and J shifts are talking up their Saturday, February 29, party. Leap Year celebrants are checking in at the Green Room, Ridge Recreation Hall, at 7:30 p.m.

All Y-12ers and their families are invited to the frolic.



Good Luck, Carol

Y-12 Development girls and friends honored Carol Trent, Ceramics and Plastics Department, with a luncheon at the

## The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian  
Industrial  
Editors' Association

OFFICE

Post Office Box Y

Oak Ridge, Tenn. 37831

Bldg. 9704-2

Room 137

Telephone 7100





**A TEAM TO BE RECKONED** with in the C League is the Five Roses . . . seen in their blooming glory above. From left are Elbert Scott, Bill Cofer, J. L. Hicks, Jim McLean and Ted Higgins. The Big C League offers action Monday afternoons at 5:45 at Ark Lanes, Oak Ridge.

## Rodders, Shud-A-Beens Fare Well In C Bowling Competition

Teams in the forefront of the C Bowling League returned to the alleys after the big tournament full of vengeance. The Rodders took the Screwballs for the full count of four, as did the Shud-A-Beens over the Five Roses. The only other sweep saw the Big Five clobber the Parbusters.

Three point victories went to the Rounders of the Hi Lifers, the

Strikers over the Hookers, and the Lucky Strikes over the Sunflowers.

George Reece, Hi Lifers, took singles highs, rolling a scratch game of 230, which was boosted to a 258 handicap. E. V. Hawk, Big Five, took series scratch highs, posting a 600, while H. A. Lay, Shud-A-Beens, took handicap highs in series count with 680.

The Big Five swept the team for honors on the board all the way, rolling singles of 971 scratch, 1108 handicap . . . and series of 2712 scratch and 3123 handicap.

League standings follow:

Team	W	L
Rodders	22	10
Shud-A-Beens	20	12
Rounders	18	14
Strikers	18	14
Big Five	18	14
Sunflowers	17	15
Lucky Strikes	17	15
Five Roses	16	16
Hi Lifers	16	16
Hookers	15	17
Screwballs	9	23
Parbusters	6	26

## Alley Bees Tie E Loop Cannonballs

### 4-Squares, Pintwisters Share Teams' Honors

The see-saw battle for tops in the E Bowling League got another jolt last week as the Cannon Balls and Alley Bees are now tied for high gear. The Cannon Balls split two with the Pintwisters . . . and the Alley Bees took three from the Ten Pins. The Foursquares also defeated the Pinquins by three.

Bob Horne, Foursquares, took high single scratch game with a 219; while Dave Hill, Pintwisters, had the high handicap single of the day with 255. Horne's 565 scratch series was high . . . and William Burrell, Cannon Balls, had high series handicap totals with 646.

The Foursquares took scratch honors in both singles and series with 688 and 1982. The Pintwisters took handicap highs with singles of 840 and series of 2404.

League standings follow:

Team	W	L
Cannon Balls	16	8
Alley Bees	16	8
Foursquares	13	11
Ten Pins	12	12
Pinquins	9	15
Pintwisters	6	18

## Seven Sixties Still Lead Bush Bowlers

The neck-and-neck race continued in Bush Bowling circles last week as the two top-seeded teams won three points. The Seven Sixties took three from the Rollmasters, while the Rusty Five clipped the Rollniks.

A three-and-one-half point victory went to the Outcasts over the Beavers . . . and the Turtles took three from the '66' Raiders. The Dry Hides and Hi Balls split two points each.

Tom Watts, Beavers, and Fred Fox, Rusty Five, tied for high scratch game of the week with a 212. John Austin, Hi Balls, took high handicap honors, rolling a 247 single, 699 series. Fox returned to the board to take a 572 scratch series.

The Turtles crawled through with high singles, rolling 869 scratch and 1035 handicap game. The Rusty Five took high scratch series with 2482, and the Turtles returned to the board with 2913 handicap series totals.

League standings follow:

Team	W	L
Seven Sixties	12	4
Rusty Five	11	5
'66' Raiders	9	7
Rollniks	9	7
Outcasts	8½	7½
Turtles	8	8
Dry Hides	7	9
Hi Balls	7	9
Rollmasters	6	10
Beavers	2½	13½

## Fearless Five Still Leaders In Basketball

Y-12's Atoms rebounded from their recent upset loss in the Basketball League, taking the Peons, also from Y-12 84 to 33. In initial play last week the fierce Atoms outclassed the Peons all the way. George hit a 28 score for the winning team, Carlos Brooks fired 15 through. For the losers it was Forrester with nine, along with teammate Fraola.

Y-12's Rebs downed ORNL's Analytical Chemistry next on Monday to the tune of 49 to 44. The AC men refused to die all through the game, and made the scoring close throughout. The big freeze in the closing moments of the game put it on ice for the Rebs. High scoring for the winners were Jim Pugh with 17 and Mahaffey with 14.

### Two ORGDP Teams Vie

Two ORGDP teams collided in Monday's final action as the All Stars edged by the Hot Shots 41 to 40. A very rough, close ball game, it was, too . . . decided in the final seconds. Lowery scored 13 for the losers . . . Martin tallied 16 . . . 12 of which were in a row . . . for the winners.

League-leading Fearless Five, ORNL, won easily Monday, by downing the ORNL Cell Four, 43 to 22. Cooper, who rarely misses his one-hand jump shot, fired 19 through the bucket for the winning Five.

Wednesday's action began as the ORNL Independents clobbered the ORGDP All Stars 69 to 30.

### Peons Lose Big

ORNL's Metals and Ceramics team took on Y-12's Peons by a rough hand, defeating them 62 to 30. Jim Fraola scored 18 for the losers . . . Roy Atherton scored 22 for the winners.

Y-12's Rebs finished off the week's hardwood action in style by defeating ORNL's Cell Four

## Fred Fox, Athala Markland Seize Top Slots In 18th Y-12 Bowling Tournament

Fancy pin action in the 18th annual Y-12 Bowling Tournament brought two new bowlers to the forefront . . . as Fred Fox took individual honors on the male side, and Athala Markland chalked up a victory for the female Y-12 bowlers.

All-event scores were Fox's 1770 scratch (followed by Len Hart's 1712) . . . and Markland's 1458 (followed by Irene Carmack's 1415).

High team scores went to the C League's Lucky Strikes with a scratch score of 2639 . . . the Has Beens followed with a second of 2597. In handicap scoring it was the Strikers with 3073 and the Rollniks with 2966.

Double honors in male bowling went to the father-son combination of Al and Wayne Groppe who scratched it with 1155. Stan Smith and Don Branson followed with 1146. In handicap firing it was Tom Perry and Bill Maddux with 1259 and Fred Fox and D. E. Martin with 1249.

### Tiller Gets Hot

In singles Arnold Tiller racked up a 654 scratch. His third game created a stir among the alley-watchers. He picked up a spare in the first frame, got eight on the first roll of the second frame . . . and missed the two pins. He then rolled 10 consecutive strikes for a total score of 266! Don Branson finished second in scratch scoring in singles with 590. In handicap scoring it was Dick Brothers with 673 and J. R. Murph with 669.

Handicap all events score highs went to R. B. Ellison with 1957 and Brothers with 1917.

### Markland Team Wins

On the distaff side of the February 15-16 tournament it was husband and wife team, Athala Markland and J. L. in mixed doubles with a scratch score of 1129. Next came Bobbie Hill and Elbert Scott with 978. Handicap doubles saw Peggy Hardin and Tom Hillard fire a 1188, and Virginia Newby and Walt Goodwin score a 1173.

In women's doubles it was Lou Anfinson and Edith Duckworth with 979 scratch, followed by Irene Carmack and Peggy Hardin with 942. Handicap doubles were taken by Mabel Tyer and Athala Markland with 1202 . . . followed by Ella Stansell and Virginia Newby with 1199.

In women's singles it was Irene Carmack with a 475 scratch score, followed by Lou Anfinson with 471.

Handicap singles went to Athala Markland with 611 and second place went to Ruby Lucas with a 594.

In handicap all-event scoring it was Bobbie Hill with 1759 and Ruby Lucas with 1722.

## Don Chambers' Dog Is Field Trial Winner

Don Chambers, down in Production Machining, has reason to brag these days. At a recent Atomic City Beagle Club, Don's dog took top honors. Thirty dogs were judged in the field trial and Rose Hill Sampson took the top mark in the 13-inch class of beagles.

five, 56 to 29. Don Mahaffey looped 19 points through the basket for the winners, Jerry Babb tallied 10. For the losers it was Ron Lenius with 10.

League standings follow:

Team	W	L
Fearless Five, ORNL	3	0
Metals and Ceramics, ORNL	2	0
Rebs, Y-12	2	1
Independents, ORNL	2	1
All Stars, ORGDP	2	2
Atoms, Y-12	1	1
Analytical Chemistry, ORNL	1	2
Cell Four, ORNL	1	2
Hot Shots, ORGDP	0	2
Peons, Y-12	0	3



Athala Markland

## Ghosts Toss Cool Cats From Throne

### Mixed League Tilts Bring New Leaders

Fancy footwork on the alleys in the Mixed League for Y-12 bowlers last week featured the Ghosts' romp over the Cool Cats for the full count of four. The Ghosts wrestled the top-notch place in league standings by virtue of their win. The Phantoms took the only other sweep by rolling blind.

The Goofers improved their league-standings (now tied for second place with the Cool Cats) by downing the Pin Plasters by three. The Alley Cats and Scrappers shared two points each.

Joyce Gillihan, Ghosts, took singles highs for women, rolling a 167 scratch, 218 game handicap-wise. Her 436 series scratch was high also. Carolyn Savage, Scrappers, held high series in handicap play with 597. Bob Hagood, Goofers, took the entire board to himself on the male side, rolling singles of 206 scratch, 231 handicap; and series of 542 scratch, 617 handicap.

The Ghosts took high singles in scratch with 599 . . . the Scrappers took high singles in handicap with 788. The Goofers rolled high scratch-series of 1730; and the Ghosts returned to the board with high handicap series of 2246.

League standings follow:

Team	W	L
Ghosts	18½	9½
Goofers	18	10
Cool Cats	18	10
Alley Cats	16½	11½
Phantoms	15	13
Pin Plasters	13	15
Scrappers	13	15

## All-Carbine Bowling Fight Set In April

Attention bowlers. Did you get in 12 games in a sanctioned league between September 1, 1963 and February 20, 1964? If you did you're eligible to bowl in the All Carbine Bowling Tournament, now set positively for April 4, 5 and 11, 12 in Oak Ridge.

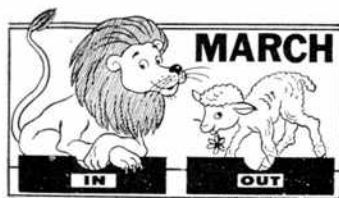
Tournament rules and more details will follow. You have until March 20 to get entries in . . . but you might begin thinking about it early.

## Matheney Leads 7th Pistoleer Firings

The seventh match of the Y-12 Pistol League was fired recently as G. W. Martin took both high scratch and handicap scores with a 258 and 287.904. G. L. Davis was a close second, firing 249 and 286.801.

Standings:

Firer	Scratch Average	H'Cap Score
C. V. Terry	218	283.711
G. L. Davis	246	286.801
R. L. Matheney	257	275.786
W. A. Gregor	215	285.244
G. W. Martin	252	287.904
W. A. Less	242	285.152
T. C. Swindell	218	287.649
T. E. Hudson	171	283.971
E. C. Williams	244	281.625
E. W. Bailey	210	280.545





BULK RATE  
U. S. Postage  
**PAID**  
Oak Ridge, Tenn.  
Permit No. 71

**UNION CARBIDE  
CORPORATION  
NUCLEAR DIVISION**

Post Office Box Y  
Oak Ridge, Tennessee—37831



RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,  
RETURN TO SENDER IMMEDIATELY.



**THE LEGENDARY TRANSPORTATION** that brought Ed Pluhar to Oak Ridge above accommodates the Bakelite baseball team, Bound Brook, New Jersey. That's Pluhar in the white shirt and tie at left (he was manager).

—Photo courtesy of Editor Sam Moore, Union Carbide Corporation, Plastics Division, Bound Brook, New Jersey.

## Spring Skeet League In Action Saturday

The Spring Skeet League for all Carbide employees will begin competition this week-end, February 29, March 1. All employees interested in shotgun shooting are invited to participate. The firings take place at the skeet fields of the Oak Ridge Sportsman's Association on alternating week-ends. Competitive rounds may be fired on either Saturday or Sunday afternoon. Eight rounds, one round on each of eight week-ends, will constitute the league action. The competitive rounds will be fired under the rules of the National Skeet Shooting Association.

League regulations will be the same as for last year's league with the following exceptions: **Any round which is to be counted in the league must be designated as a counter on the score sheet before the round is fired.** Shooters may pre-fire one round or make up one missed round provided the rounds are so designated before they are fired. However, no shooter may get more than one round ahead of the field and any skeeter who gets more than one round behind the field forfeits the excess rounds.

Firers in the last league were: Class AAA: Pitt, Welfare, Brundage, Bahler, Powers, Swartout, Davy, and Case. Class AA: Asmanes, Brewster, Wiest, Patton, Steward, Lewin, Phillips, Walton and Bailey. Class A: McNabb, Sahr, Hamby, Bell, Davis, Willis, Pruitt, Murray, Franklin and Bertini.

Shooters who are not classified and who desire to participate should contact Fred Welfare, extension 7-8315. He can provide additional information on the league.

### ON BEING WRONG

'There is no harm in being sometimes wrong — especially if one is promptly found out.' Lord Keynes.

## Ed Pluhar

Continued from Page 1

Pluhar is the only Nuclear Division employee to reach the 25-year mark this entire year! There will be about four years lapse now in Y-12 . . . then the gates will again be opened for a host of Y-12ers.

Many anecdotes could be passed on concerning the division superintendent. For instance, about two years ago he played Santa at the Carbide Christmas party. Kenney's oldest daughter, caught up in old Santa's arms, reminded the helper that he talked just like "her Dee!" It seems "Dee" was the children's name for their grandfather.

### **Accomplished Gourmet**

A recognized gourmet in the plant (if you don't believe it, just ask him) Pluhar can dish up exotic dishes at the drop of a hat . . . complete with the necessary wines and delicacies that go with continental meals. (He also has a sister in New Jersey who makes delicious "kalaacs" a holiday treat kind of break from the Slavic section of Europe.)

Congratulations to Old-Timer Pluhar. May your next 25 years with Union Carbide be as pleasant for you as they have been for all of us.

## Keep Fishing Rodeo Entry In Tackle Box

With March winds whipping up the local lakes and creeks, the crappies are beginning to take to the old bait. Does your tackle box hold some entries in the Fishing Rodeo for 1964? Remember, if you don't enter that prize catch, you can't possibly win with it. Call Recreation, extension 7109 for applications.

### **MASSACHUSETTS FIRST**

The Massachusetts State Supreme Court outlawed slavery in 1783 because of the words in the State Bill of Rights, "all men are born free and equal."

## Classic Lead Still In Bumpers' Hands

The Bumpers tightened their rein on first place in the Classic League for Y-12 bowlers last week, pasting the Has Beens for three points. The only four point win went to the Smelters over the Swingsters. Three point victories also went to the Tigers, clawing their way past the Rebels, the Wolves over the Cubs, the All Stars over the Markers, and the Wasps over the Screwballs. The Playboys-Splinters, Rippers-Eightballs tilts ended in draws, each team taking two.

Bill Maddux, Wolves, set the pace for his team, taking all individual honors, rolling singles of 252 scratch, 277 handicap. His series count was 631 scratch, 706 handicap.

The Tigers took singles, rolling 953 scratch and 1092 handicap. The Smelters marked on series with 2595 and 3021 handicap.

League standings follow:

Team	W	L
Bumpers	28	8
Markers	23	13
Has Beens	22	14
Tigers	21½	14½
Rippers	20	16
Wolves	20	16
Swingsters	19	17
Playboys	19	17
Smelters	18	18
All Stars	17½	18½
Wasps	16	20
Splinters	15	21
Rebels	14	22
Screwballs	14	22
Eightballs	12	24
Cubs	9	27



A total of 11 more Y-12ers mount the 20-year service board with Union Carbide. Others celebrate important 10-year anniversaries. Congratulations.

### **20 YEARS**

**William A. Pfeiler**, Laboratory Development, February 26.

**Ernest C. Ward**, Buildings, Grounds and Maintenance Shops, February 27.

**Alvin M. Kirksey**, Research Services, February 28.

**Ralph P. Levey Jr.**, Methods Evaluation, February 28.

**Donald G. Hill**, Maintenance Division, February 29.

**James C. Fox**, Casting, March 1.

**Mary H. Fields**, Laundry, March 1.

**Floyd H. Ludwig**, General Metal Fabrication Shop, March 1.

**James R. Thorpe**, General Estimating and Planning, March 1.

**Charles J. Greene**, Buildings, Grounds and Maintenance Shops, March 2.

**Ernest V. Hawk**, A-1 Shop, March 2.

### **10 YEARS**

**Charles F. Phillips**, Stores, February 27.

**John Baird**, Alpha Five Machine Shop, March 1.

**Hubert Y. Rollen**, Uranium Machining, March 1.

**Paul R. Wilson**, Dimensional Inspection, March 1.

**Charles R. Brazda**, General Shop Inspection, March 1.

**Harold E. Underwood**, Dimensional Inspection, March 1.

**John E. Clemons**, A-1 Shop, March 1.

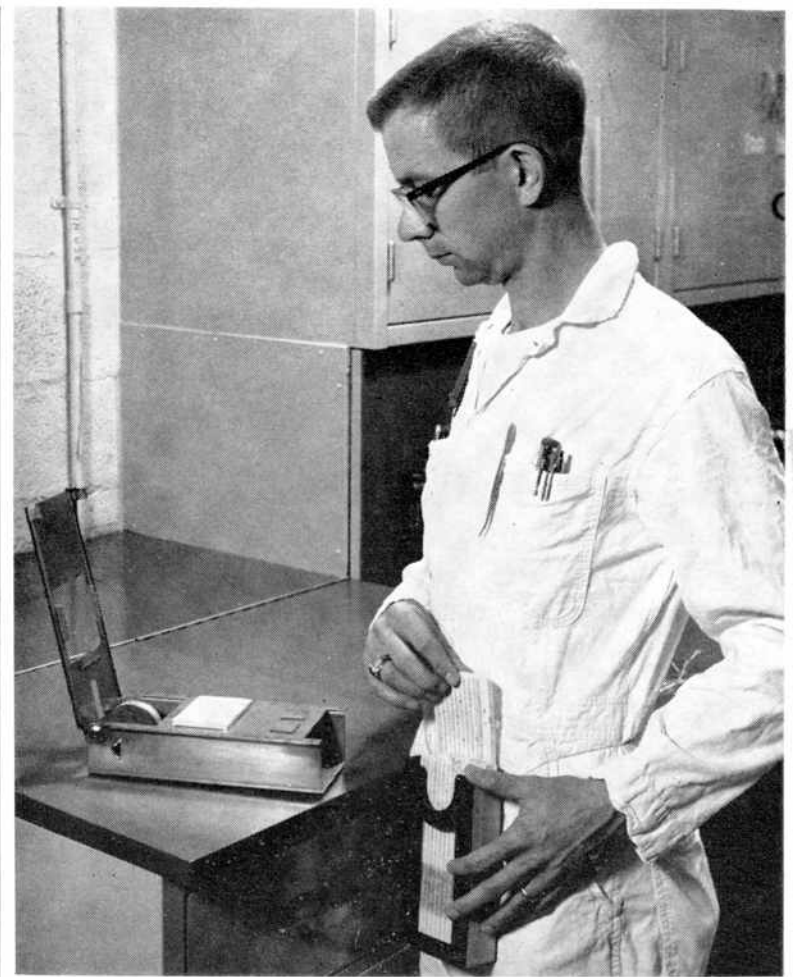
**Russell T. Goodpasture**, Production Analysis, March 1.

**Lawrence M. Meadows**, Research Services, March 1.

**Ernest R. Martin**, Physical Testing, March 2.

**Eugene M. Miller**, General Machine Shop, March 2.

**Carl E. Thornton**, A-1 Shop, March 3.



**BILL EVERETT IS SHOWN LOADING** the device designed by Pfeiler, Hurst and Sanders for the automatic counting of radio-activity on "smeared" punch cards.

## Patent Award To Y-12 Trio

Continued from Page 1

Prekeypunched cards are prepared in advance for each area to be smeared on a predetermined frequency. These cards are prepared automatically and contain the area location, specific location to be smeared, the type of smear (settled dust or floor), and the established control criteria for removable contamination for the respective area. Visually shown at the top of each card are the area type, the area code and specific location, type of smear, and Radiation Safety surveyor code.

### **Cards Counted Automatically**

On a random basis, approximately two per cent in duplicate cards are prepared in order that duplicate smears can be obtained to aid in statistical evaluation of the program. After the smear samples are taken in various process areas, the cards are counted in the automated smear counter. During the counting of the smear samples, known standards and blanks are also counted along with routine samples, in order to assure proper operation of the counting equipment and background build up. Counter contamination is easily remedied by covering the counting portion of the scintillator with a special film, which can be changed in approximately one minute.

The use of the punched card system offers several advantages over the old system. The card lends itself to a device for taking smears which controls smear pressure and area smeared. The card also provides a means for automatic handling, counting and result tabulation by standard commercially available equipment. This system has cut reporting time of data from three days to 24 hours, and it provides the capability of processing 15,000 samples per month, with a minimum of human effort and cost.

### **Letters Of Commendation**

All three Y-12ers, Sanders, Hurst, and Pfeiler received the customary one dollar awards accompanying the letter of com-

pendation from Clark E. Center, vice president of the Nuclear Division of Union Carbide Corporation.

The development is shown in the accompanying photographs. Once again Y-12 initiative has taken over, providing more efficient operations to make the plant a safer place to work with improved reliability in the health physics field.

## FOUR Oak Ridge City Councilmen In Y-12!

In a recent issue of the Bulletin it was stated there are two Oak Ridge councilmen in Y-12 . . . A. K. Bissell and Harry Francke. Two others should have been added to the honored list. The names of John C. Holt and Tally R. Livingston were inadvertently omitted from the story. Holt serves the Highland View district, and Livingston, on leave from Y-12, serves the Robertsville district. Actually that makes FOUR councilmen from Y-12 on the city's administration.

## Instrument Society Meets Next Wednesday

The Oak Ridge section of the Instrument Society of America will meet next Wednesday, March 4, at 8 p.m. in the Green Room of the Ridge Recreation Hall, Oak Ridge.

Featured speaker will be Dr. Forest K. Harris, chief of the Absolute Electrical Measurement Section of the National Bureau of Standards, Washington, D. C. He will speak on "Frontiers of Measurement Science."

### **PROMISED LAND**

'So at last I was going to America! Really, really going, at last! The boundaries burst. The arch of heaven soared. A million suns shone out for every year. The winds rush in from outer space, roaring in my ears, "America! America!"' . . . Marty Antin.